Performance Data Sheet

AJA7494ZXD

General Information

Model	AJA7494ZXD	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-10	Btu/h	8000	6660	5480	4440	3490	2610	1750
	Watts	1240	1220	1200	1170	1130	1070	994
	Amps	6.32	6.31	6.29	6.23	6.09	5.84	5.45
	Lb/h	155	127	108	95.8	85.6	73.4	55.1
-5	Btu/h	9010	7660	6440	5340	4310	3330	2350
	Watts	1310	1310	1300	1290	1260	1220	1160
	Amps	6.62	6.65	6.68	6.67	6.59	6.40	6.08
	Lb/h	177	148	129	116	105	91.7	71.7
0	Btu/h	10100	8750	7490	6320	5210	4110	3000
	Watts	1380	1390	1400	1400	1390	1360	1310
	Amps	6.89	6.97	7.05	7.09	7.07	6.94	6.68
	Lb/h	199	170	152	138	127	112	91.0
5	Btu/h	11300	9930	8620	7380	6170	4950	3700
	Watts	1440	1470	1490	1500	1510	1500	1460
	Amps	7.14	7.27	7.40	7.50	7.53	7.47	7.27
	Lb/h	221	194	175	162	150	135	113
10	Btu/h	12600	11200	9820	8500	7180	5840	4450
	Watts	1500	1540	1570	1600	1620	1620	1610
	Amps	7.39	7.56	7.74	7.90	7.99	7.99	7.85
	Lb/h	245	218	200	188	176	160	138
15	Btu/h	14000	12500	11100	9670	8250	6770	5230
	Watts	1560	1610	1660	1700	1730	1750	1750
	Amps	7.64	7.86	8.09	8.29	8.44	8.50	8.43
	Lb/h	269	243	227	215	203	188	165
20	Btu/h	15500	13900	12400	10900	9350	7740	6030
	Watts	1610	1670	1740	1790	1840	1870	1880
	Amps	7.90	8.16	8.44	8.69	8.90	9.02	9.01
	Lb/h	293	270	254	243	233	218	195
25	Btu/h	17000	15400	13800	12200	10500	8730	6850
	Watts	1670	1740	1820	1890	1950	1990	2020
	Amps	8.16	8.47	8.80	9.11	9.37	9.55	9.61
	Lb/h	318	297	283	274	264	250	227

30	Btu/h	18500	16900	15200	13400	11600	9730	7680
	Watts	1720	1810	1900	1980	2050	2110	2150
	Amps	8.45	8.80	9.18	9.54	9.86	10.1	10.2
	Lb/h	344	325	313	306	297	284	263

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.959548E+04	1.827322E+03	1.038757E+01	1.261044E+03
C2	1.225511E+02	-7.480605E+00	5.940555E-03	1.260489E+00
C3	-3.775919E+02	-1.713218E+01	-1.310837E-01	-2.747383E+01
C4	3.115015E+00	-4.938388E-02	-2.275991E-04	-4.275088E-02
C5	3.104302E+00	2.326674E-01	2.767673E-04	6.654252E-02
C6	2.129640E+00	2.086280E-01	1.550714E-03	2.319448E-01
C7	-1.102945E-02	1.638646E-03	9.095248E-06	-1.281670E-05
C8	-1.514122E-02	-6.230709E-04	-6.783809E-07	6.880527E-04
C9	-2.148954E-02	2.769118E-04	3.810538E-06	-3.292771E-04
C10	-5.639253E-03	-8.030630E-04	-5.739270E-06	-6.814257E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature